

M2 Global designs and manufactures waveguide bandpass filters to customer specifications in WR137, WR112, WR75, and WR62. Most flange options are available.

Examples of WR112 bandpass filters are given below.

Frequency Range (GHz)	Return Loss (-dB) max	Insertion Loss (-dB) max	Pass Band			Pass Band Ripple (+/-dB) max	Stop Band Attenuation (-dB) min	Part Number	Outline
			(MHz) min	(MHz)	(MHz) max				
7.10 - 7.30	24	1.0	36	42	46	0.10	30	928-710730-001	F01
7.30 - 7.50	24	1.0	36	42	46	0.10	30	928-730750-001	F01
7.50 - 7.70	24	1.0	36	42	46	0.10	30	928-750770-001	F01
7.70 - 7.90	24	1.0	36	42	46	0.10	30	928-770790-001	F01
7.90 - 8.10	24	1.0	36	42	46	0.10	30	928-790810-001	F01
8.10 - 8.30	24	1.0	36	42	46	0.10	30	928-810830-001	F01
8.30 - 8.50	24	1.0	36	42	46	0.10	30	928-830850-001	F01

- Operating Temperature:** -30° to +70° C
- Pass Band Ripple:** ±0.1 dB max for  $F_o \pm 15$  MHz
- Stop Band Attenuation:** 30 dB min for  $F_o \pm 43$  MHz  
60 dB min for  $F_o \pm 80$  MHz

